

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:4618
ANSWERED ON:19.12.2001
FAST BREEDER REACTOR
AMBATI BRAHMANIAH

Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) whether the Government have proposal to install a 'Fast Breeder Reactor' of 500 MW at the existing plant at Kalpakkam for the second phase of India's nuclear power programme;
- (b) if so, whether the cost of this reactor would be approximately 2600 crores of rupees;
- (c) if so, whether the cost is comparatively very high;
- (d) if so, whether there is any proposal to reduce the cost of this 500 MW reactor;
- (e) if so, the details thereof; and
- (f) the details of measures proposed by the AEC to ensure that nuclear power is produced at cheap rates and efficiently?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF SMALL SCALE INDUSTRIES, MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS, MINISTER OF STATE IN THE MINISTRY OF PLANNING AND MINISTER OF STATE IN THE DEPARTMENTS OF ATOMIC ENERGY AND SPACE (SHRIMATI VASUNDHARA RAJE)

- (a) Yes, Sir. The Government have a proposal to install a Prototype Fast Breeder Reactor (PFBR) of 500 MWe capacity at Kalpakkam, as the second stage of India's Nuclear Power Programme.
- (b) The cost of this reactor would be around Rs.2800 crore, as per current estimates.
- (c) No, Sir, it is not very high. In fact, it is comparable to the cost of nuclear power plants under construction in the country.
- (d), (e) & (f) In the design of PFBR, all efforts have already been made to reduce its cost considerably without compromising safety, by decreasing the number of components, adopting compact plant layout and increase in fuel burn-up. Efforts are being made to construct more reactors at a given project site, where the infrastructure facilities already exist, so that the cost could be further reduced.